**Reading 4 SW;** Berks County, PA; Lat 40°19.0'N,

CoCoRaHS ID: PA-BR-2, Reading 3.5 SW

Observer in Charge: Jeffrey R. Stoudt

Period of Record: Precipitation/Snow - January

**October 2007**

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Lon 75°59.3'W, Elev 320 ft MSL
Observation time: 2359 EST

|  |  |
| --- | --- |
| 1983, | Temperatures - June 1984 |

DAILY DETAILS (monthly extremes in **bold)**

TEMPERATURES

DAY MAX MIN OBS PCPN

1 75 54 56

2 78 52 62

3 84 62 67

4 86 62 66

5 82 63 66

6 83 62 67 T

7 85 64 64

8 90 **61 79**

9 **91** 65 65

10 79 61 61

11 61 52 54

12 61 42 42

13 62 38 48

14 68 40 46

15 71 44 55

16 71 51 57

17 78 57 61 T

18 78 58 72 T

19 78 60 60 0.28

20 71 54 58

21 78 45 52

22 79 49 68

23 77 **66** 66

24 66 54 54

25 57 51 55

26 59 52 59

27 69 52 56

28 57 39 39

29 **56 31 38**

30 64 34 41

31 67 36 46

SUM 2261 1611 5.96 0.0

SNOW DEPTH REMARKS (all times are military EST)
Dense fog at daybreak.

Dense fog at daybreak.

Very dense fog (0.1 mi) with -DZ at daybreak.

Dense fog at daybreak.

 0.68 Brief late morn -SHRA (0.04); early eve TSRA.

 0.03 Brief -SHRA at daybreak (0.01) & very late eve.

 1.01 Periods of RA into early PM (0.99) & very late.

 0.19 RA before dawn.

PM SHRA, especially 2100-2200.

 0.10 -RA after 2000.

 0.47 Periods of RA.

 0.19 AM RA, mostly before daybreak.

 1.23 RA, heavy at times, late morning on.

 **1.78** RA, heavy at times, till midday.

First freezing temperature since 11 April.

MONTHLY STATISTICS

Average
Average
Average
Extreme
Extreme
Extreme
Extreme
Heating
Cooling

Monthly Temperature (Dep):
Maximum Temperature (Dep):
Minimum Temperature (Dep):
Daily High Maximum Temp:
Daily High Minimum Temp:
Daily Low Minimum Temp:
Daily Low Maximum Temp:
Degree Days (Season):
Degree Days (Season):

62.5 (+8.2)

72.9 (+8.0)

52.0 (+8.4)

91 (+10) on 9th

66 on 23rd

31 (-0) on 29th

56 on 29th

160 (200)

89 (1281)

-- more --

Total Monthly Precipitation (Dep):
Total Annual Pcpn through Month:
Greatest Calendar Day Pcpn:
Greatest Floating 24-Hour Pcpn:
Total Monthly Snowfall (Dep):
Total Season Snowfall (Dep):
Greatest Calendar Day Snowfall:
Greatest Floating 24-Hour Snowfl:
Maximum Depth of Snow/Ice:

Days with Hail:

Days with Thunder (Dep):

5.96 (+2.13)

47.55 (+2.80)

1.78 on 27th

2.98 on 26th-27th

0.0 (-0.0)

0.0 (-0.0)

0.0 on

0.0 on

0

0

1 (-0)

Highest Wind Gust (MPH): 22 on 12th

Maximum Barometric Pressure: 30.49 on 29th

Minimum Barometric Pressure: 29.47 on 11th, 12th

Average 4-Inch Soil Temps slid gradually through the 60s through nearly four
weeks before dropping to the lower 50s the last few days and ranged from 76 on
the 8th to 49 on the 29th and 31st.

HIGHLIGHTS

Summery warmth continued into the first ten days of October and contributed
greatly to a new station record of 62.5 for warmest October in at least 24
years, easily surpassing the previous warmest of 61.6 in 1984 which was
previously the only October to average at or above 60.0 during the record
period. The daily maximum temperature average of 72.9 was well above 1984's
70.9, but October 1984 at 52.3 averaged slightly above the minimum temperature
average of 52.0 of this October. This October accrued 89 cooling degree days,
surpassing 74 during October 1990; but October 1984 had fewer heating degree
days at 138 versus 160 for this October. Although the warmth diminished after
the 10th, really cool weather did not arrive until the 29th when it plummeted all
the way to a freezing **31,** only a few days later than the average first fall
freeze. But the chill came too late to spoil the new warmest October ranking.
Daily maximum temperatures of 90 and 91 on the 8th and 9th humiliated the
previous October high of 87 on 6 October 1997. Historically, Reading PA (KRDG)
officially marked its second warmest October since 1898 at 61.5, well below the
October 1947 standard of 62.6. But a high temperature of 91 on the 9th was a
new record for the latest in the year by three days to reach at least 90 and
only the sixth 90-in-October since 1898, the hottest of which was 94 on 5
October 1941.

The 91-degree heat on the 9th helped to stoke a moderate (0.64) thunderstorm
early that evening, the only thunder during this warm October. That rainfall
plus slightly over an inch two days later alleviated arid conditions from
September. Later, considerably greater rainfall during the fourth week brought
3.77 of the 5.96 monthly total and provided that much needed soaking to
favorably moisten the ground.

RANKINGS AND EXTREMES FOR THIS MONTH

Avg Temp 62.5 — First warmest of 24 Octobers (49.0 in 1987 to 62.5 in 2007)

Precip 5.96 - Sixth wettest of 25 Octobers (0.83 in 2001 to 12.83 in 2005)
Snowfall 0.0 - Tied with 22 others of 25 for least (T in 2002 and 2003)

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